

PODC 2017
Call for Papers
The 36th ACM Symposium on Principles of Distributed Computing
July 25-27, 2017, Washington, D.C., USA

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Paul Spirakis	<i>University of Liverpool, UK</i>

Dates:

Submission deadline (HAST time zone)	February 9, 2017
Acceptance notification	April 26, 2017
Camera ready copy due	May 20, 2017

Program

The program will include keynote lectures, regular presentations, and brief announcements.

Scope: The ACM Symposium on Principles of Distributed Computing, is an international forum on the theory, design, analysis, implementation and application of distributed systems and networks. We solicit papers in all areas of distributed computing. Papers from all viewpoints, including theory, practice, and experimentation, are welcome. The common goal of the conference is to improve understanding of the principles underlying distributed computing. Topics of interest include, but are not limited to, the following:

- distributed algorithms: design, analysis, and complexity
- communication networks: algorithms, protocols, applications
- multiprocessor and multi-core architectures and algorithms
- shared and transactional memory, concurrency, synchronization
- fault-tolerance, reliability, self-organization, self-stabilization
- Internet applications, social networks, recommendation systems
- dynamic, adaptive and machine learning distributed algorithms
- distributed operating systems, middleware, databases
- biological distributed algorithms
- game-theoretic approaches to distributed computing
- peer-to-peer systems, overlay networks
- high-performance, cluster, cloud and grid computing
- wireless networks, mobile computing, autonomous agents
- context-aware distributed systems
- security in distributed computing, cryptographic protocols
- quantum and optics based distributed algorithms
- sensor, mesh, and ad hoc networks
- specification, semantics, verification of concurrent systems

Submission: Papers are to be submitted electronically, following the guidelines on the conference web page (www.podc.org). Submission must be in English, in pdf format. The papers must be formatted as follows: letter-size paper (8.5x11 inch), single-column, using at least 1 inch margins, 11-point font. Submissions not conforming to these rules as well as the papers outside of the scope of the conference will be rejected without consideration.

A regular paper submission must report on original research that has not been previously or concurrently published; concurrent submissions to journals or conferences are not permitted. A regular submission must begin with a cover page containing: 1) title, with the subtitle “Regular Submission”, 2) author names and affiliations, 3) contact author’s email, address, and telephone number, 4) one paragraph abstract of the paper, 5) indication of whether at least one author is a full-time student and the paper is eligible for best student paper award. The paper must not exceed 10 pages (excluding cover page and references). All of the ideas necessary for an expert to verify fully the central claims in the paper should be included, some of which may be placed in a clearly marked appendix that will be read at the discretion of the program committee. If desired, the authors can simply attach a copy of the full paper as the appendix

A submission for a brief announcement must be at most 3 pages, including title, authors’ names and affiliations, and references. Such submissions may describe work in progress or work presented elsewhere. The title of a brief announcement must begin with the words “Brief Announcement:”.

If requested by the authors on the cover page, a regular submission that is not selected for a regular presentation will be considered for the brief announcement format. This will not affect consideration of the paper for a regular presentation.

Publication

Regular papers of up to 10 pages and brief announcements of up to 3 pages will be included in the conference proceedings. Extended and revised versions of selected papers will be considered for a special issue of the Distributed Computing journal. Two papers will be considered for publication in JACM.